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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/669,879	09/27/2000	Jen-Kai Chen	SUND 152	4534	
23995 7	590 12/14/2004		EXAMINER		
RABIN & Berdo, PC 1101 14TH STREET, NW			ном, shick c		
SUITE 500	REE1, NW	ART UNIT	PAPER NUMBER		
WASHINGTO	N, DC 20005	2666			

DATE MAILED: 12/14/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

		Applic	cation No.	Applicant(s)				
Office Action Summary		09/66		CHEN ET AL.	uK			
		Exami	iner	Art Unit	T			
		Shick	C Hom	2666				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply								
THE - Exte after - If the - If NC - Failu Any	ORTENED STATUTORY PERIOD FO MAILING DATE OF THIS COMMUNIC nsions of time may be available under the provisions or SIX (6) MONTHS from the mailing date of this commu e period for reply specified above is less than thirty (30) period for reply is specified above, the maximum stature to reply within the set or extended period for reply wreply received by the Office later than three months afted patent term adjustment. See 37 CFR 1.704(b).	CATION. f 37 CFR 1.136(a). In n nication. days, a reply within the story period will apply a rill, by statute, cause the	e statutory minimum of the training of will expire SIX (6) MG application to become	a reply be timely filed  nirty (30) days will be considered ti  DNTHS from the mailing date of thi  ABANDONED (35 U.S.C. § 133).				
Status								
1)⊠	1) Responsive to communication(s) filed on 29 July 2004 and 20 September 2004.							
2a) <u></u>								
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposit	ion of Claims							
5)⊠ 6)⊠ 7)⊠	<ul> <li>Claim(s) 1-23 is/are pending in the application.</li> <li>4a) Of the above claim(s) is/are withdrawn from consideration.</li> <li>Claim(s) 13 and 20 is/are allowed.</li> <li>Claim(s) 12 is/are rejected.</li> <li>Claim(s) 1-11, 14-19, 21-23 is/are objected to.</li> <li>Claim(s) are subject to restriction and/or election requirement.</li> </ul>							
Applicat	ion Papers							
9)[	The specification is objected to by the	Examiner.						
10)[	10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.							
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
11)	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority (	ınder 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.								
Attachmen	et(s) te of References Cited (PTO-892)		4) Interview	v Summary (PTO-413)				
2) Notice 3) Inform	the of Draftsperson's Patent Drawing Review (PT mation Disclosure Statement(s) (PTO-1449 or Per No(s)/Mail Date 9/20/04.		Paper No	o(s)/Mail Date Informal Patent Application (F	PTO-152)			

#### DETAILED ACTION

# Response to Arguments

 Applicant's arguments with respect to claim 12 have been considered but are moot in view of the new ground(s) of rejection.

### Specification

2. The lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

#### Claim Objections

3. Claims 1-11, 14-19, 21-23 are objected to because of the following informalities: In claim 1 lines 4, 6, claim 5 lines 4-5, 6, claim 19 line 2 replace parentheses with comma because limitations within parentheses is not considered as claimed limitation. In claims 2-11, 14-19 line 1 delete "A method" and insert ---The method--- because they're reciting the method of claims 1 and 13, respectively. Likewise, in claims 21-23 line 1 delete "An apparatus" and insert ---The apparatus---. In claim 2 line 2 delete "a unicast packet" and insert ---unicast packet-

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--. In claims 14, 15 lines 4-5 delete "a multicast packet" and insert ---one multicast packet--- for clarity. Appropriate correction is required.

#### Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 5. Claim 12 is rejected under 35 U.S.C. 102(e) as being anticipated by Sun et al. (6,574,194).

Regarding claim 12:

Sun et al. disclose the output queuing method for forwarding packets in a switch network, the switch network containing a plurality of port, each port corresponding to a port output queue, a global output queue shared by all port output queues, the packets being of the type of unicast or multicast, the output queuing method comprising: detecting the type of a receiving packet; if the type of the receiving packet

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is unicast, allocating the receiving packet into the port output queue (see col. 5 lines 31-41 which recite the two kinds of packets being unicast and multicast packets whereby unicast packets are enqueue into an output queue for the corresponding output port); if the type of the receiving packet is multicast, allocating the receiving packet into the global output queue (see col. 5 lines 42-60 which recite the multicast queue linked list being maintained for multicast packets which clearly corresponds to the global output queue now claimed); and determining to dequeue or skip the receiving packet in the global output queue according to the type of the receiving packet (see col. 9 line 50 to col. 10 line 2 which recite the step of updating the multicast queue list including the dequeuing process when the multicast packet have been determined to be successfully delivered; further Fig. 3A shows that the unicast and multicast packets being stored in SSRAM clearly reads on the global output queue being shared by all port output queues).

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## Allowable Subject Matter

6. Claims 1-11, 14-19, and 21-23 would be allowable if rewritten or amended to overcome the objection(s), set forth in this Office action.

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7. Claims 13 and 20 are allowed.

#### Conclusion

- 8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

  Singh et al. disclose a nonblocking and fair queuing switching method and shared memory packet switch.
- 9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shick C Hom whose telephone number is 571-272-3173. The examiner can normally be reached on Monday to Friday with alternate Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Seema Rao can be reached on 571-272-3174. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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